



Experimental Models for Neurodegenerative Diseases: From cells to Model Organisms

Tuesday 2nd of July 2019

Introduction

- **Florence Pasquier** (France) 02/07, **14:00-14:15**
CMRR - CHU de Lille, UMR1171 Université de Lille

Opening session - Clinicians and researchers: what we are looking for?

- **Mutations associated with early-onset Alzheimer's disease: clinical, statistical and functional analysis**
Anne Rovelet-Lecrux (France) 2/07, **14:15-15:15**
Université de Rouen, Inserm U1245, Service de génétique du CHU de Rouen - CNR-MAJ
 - **Neurodegenerative diseases: clinicians' unsolved issues.**
Vincent Deramecourt (France) 2/07, **15:15-16:00**
Université de Lille, INSERM UMR-S1172, CHU de Lille, Memory Clinic and National centre for early-onset Alzheimer's disease
- Break 30 min
- **Can the gut be the missing piece in uncovering PD pathogenesis?**
Pascal Derkinderen (France) 2/07, **16:30-17:30**
Service de neurologie, CHU de Nantes – Hôpital Nord Guillaume et René Laënnec, Nantes
 - **Experimental models to understand the contribution of neuroinflammation in Amyotrophic Lateral Sclerosis (ALS)**
Séverine Boillée (France) 2/07, **17:30-18:30**
ICM Institut du Cerveau et de la Moelle Epinière – INSERM U1127, CNRS UMR-7225; Sorbonne Université

Wednesday 3rd of July 2019

- FLASH-TALKS 9h00-9h30 (5 talks)

How to study neurodegenerative pathologies in a dish?

- **Parkinson's in a dish: Using stem cell-derived neurons to study molecular mechanisms and target discovery**
Richard Wade-Martins (UK) 03/07, **9:30-10:30**
Oxford Parkinson's Disease Centre, Department of Physiology, Anatomy and Genetics, University of Oxford
- **Microfluidic neuron culture devices to study neural development and disease**
Devrim Kilinc (France) 03/07, **10:30-11:20**
INSERM U1167 – Université de Lille - Institut Pasteur de Lille

Break 30min

- **Functional characterization of neuronal networks using microelectrode array technology**
Sophie Halliez (France) 03/07, 11:50-12:40
Université de Lille – CHU de Lille – Inserm – UMR-S1172 – JPARC
- **New tools to study APP metabolism (High Content Screening, optogenetic)**
Julien Chapuis (France) 03/07, 12:40-13:15
INSERM U1167 – Université de Lille - Institut Pasteur de Lille

LUNCH and Posters 90 min

Rodents still matter

- **Mouse models of tauopathy and their relevance to human disease**
Diane Hanger (UK) 03/07, 15:00-16:00
King's College London
- **Prion-like diseases modelisation in murine models**
Morvane Colin (France) 03/07, 16h00-16h30
Université de Lille – Inserm – CHU de Lille – UMR-S1172 – JPARC, Lille
- **Translational behavioral assessment in rodent models**
Julie Deguil (France) 03/07, 16:30-17:30
UMR1171 – Inserm – Université de Lille – CHU de Lille
- **Brain administration, stereotaxis and pharmacological development with the animal models**
David Devos (France) 03/07, 17:30-18:00
UMR1171 – Inserm – Université de Lille – CHU de Lille

Thursday 4th of July 2019

- FLASH-TALKS 9h00-9h30 (5 talks)

Planet of the Apes

- **Title pending**
Philippe Hantraye (France) 04/07, 9:30-10:30
Break 30 min
- **Studying pathophysiology of PD in non-human primates**
Erwan Bezard (France) 04/07, 11:00-12:00
Institut des Maladies Neurodégénératives - Université de Bordeaux - CNRS UMR 5293

Session on animal research communications

- **Transparency & Communication in Laboratory Animal Sciences - Challenges and Opportunities**
Kirk Leech (UK) 04/07, 12:00-13:30
European Animal Research Association, London

LUNCH and Posters

Fishing for molecular mechanisms and new therapies

- **The zebrafish model to study neurodegenerative diseases**
Pierre Olivier Angrand (France) 04/07, 15:00-16:00
Université de Lille / INSERM U908 - Cell plasticity and Cancer

- **Deciphering adverse outcome pathways of neurotoxic compounds in zebrafish**
Demetrio Raldúa (Spain) 04/07, **16:00-17:00**
IDAEA-CSIC, Barcelona
- **Models for motor neuron diseases: Focus in zebrafish**
Edor Kabashi (France) 04/07, **17:00-18:00**
Inserm – Imagine Institute – Necker Hospital

Session open to the general public (in French)

- **Du Laboratoire de recherche jusqu'au lit du patient: Quels sont les étapes du développement d'un médicaments?**
Régis Bordet (France) 4/07, **19:00-20:00**
UMR1171 Inserm – Université de Lille – CHU de Lille

Friday 5th of July 2019

Contributions from the invertebrate side

- **C. elegans: a not so simple model organism**
Marie Gendrel (France) 05/07, **9:00-10:00**
IBENS - CNRS UMR 8197 - INSERM U1024, Ecole Normale Supérieure
- **FUSsing with worms: insights into physiological and pathological protein condensates**
Peter St George-Hyslop (UK-Canada) 05/07, **10:00 -11:00**
Cambridge Institute for Medical Research, University of Cambridge / Tanz Centre for Research in Neurodegeneration, University of Toronto

Break 30 min

- **The Drosophila model organism**
Pierre Dourlen (France) 05/07, **11:30-12:00**
Inserm U1167, Labex Distalz, Institut Pasteur de Lille, Université de Lille
- **Drosophila as a model system to study genetics of Tau and TDP-43 proteinopathies**
Bart Dermaut (Belgium) 5/07, **12:00-12:40**
Center for Medical Genetics, Department of Biomolecular Medicine - Faculty of Medicine and Health Sciences, Ghent University
- **An evolutionarily conserved predictor of impending death: lessons from Drosophila melanogaster**
Michael Rera (France) 5/07, **12:40-13:30**
CNRS, UMR8256, Institut de Biologie Paris-Seine, Sorbonne-Université

LUNCH and POSTER SESSION 90 min

Animal farm. A fairy Story

- **Prion in blood and its detection**
Olivier Andreoletti (France) 05/07, **15:00-16:00**
UMR1225 INRA-ENVT, Toulouse

Closing session - Into the wild

- **Chronic Wasting Disease in cervids**
Sylvie Benestad (Norway) 05/07, **16:00-17:00**
Norwegian Veterinary Institute, Oslo